



# **Draft 2008 REGIONAL COMPREHENSIVE PLAN**

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**Southern California Association of Governments**

**The *First* of Four Workshops**

**San Bernardino County  
February 13**

**the Plan — Future of the Region Dialogue**

State  
of the  
Region

# REPORT CARD

	98	99	00	01	02	03	04	05	06
Employment	B-	A-	B+	B	B-	B	B	B	B
Income	C+	C+	C	C	C-	C-	C	C	C
Housing	C-	C-	C-	D+	D+	D	D	D	D
Mobility	D	D	D	D	D-	D-	F	F	D-
Air Quality	C	B-	B	B-	C	C-	C	C	D
Education	D	D	D	D	D	D	D	D	D-
Public Safety	B	B+	B+	B	B	B	B	B	B

A – Superior

B – Above Average

C – Average

D – Below Average

F – Failing

The RCP is a problem-solving guidance document.

Demonstrates why we need to do more than we're doing today.

Recommends key roles and responsibilities.





**Greenhouse  
Gas Mandates**



**Air Quality**



**The  
Economy**



**AB 32**

**25%  
Reduction in  
Greenhouse  
Gas (CO<sub>2</sub>)  
emissions by  
2020**

**Ozone and  
PM 2.5  
health-based  
pollutant  
standards**

**Job and  
Income  
Growth**

# Today's Objective

## Priorities

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1.

2.

3.

4.

# Policy & Initiative Evaluation

## Potential for Direct/Indirect Benefits

Land Use  
Transportation  
Water  
Energy  
Open Space  
Economy  
Climate Change  
Solid Waste  
Public Health  
Security







**Speaker**

**Bart Brizzee, SB  
County Counsel**




**Speaker**

**Joe Cassmassi,  
SCAQMD**



**Speaker**

**Jacob Lieb,  
SCAG**



# **The San Bernardino County/AG Settlement**

**SCAG Workshop**

**Bart W. Brizzee**

**San Bernardino County Deputy County  
Counsel**

**February 13, 2008**





# General Plan Update

- 1989
- 30% population increase between 1990 and 2003
- 25% increase by 2030



# **Climate Change Legislation**

# Executive Order # S-3-05

- 2000 levels by 2010
- 1990 levels by 2020
- 80% below 1990 levels by 2050
- Climate Action Team

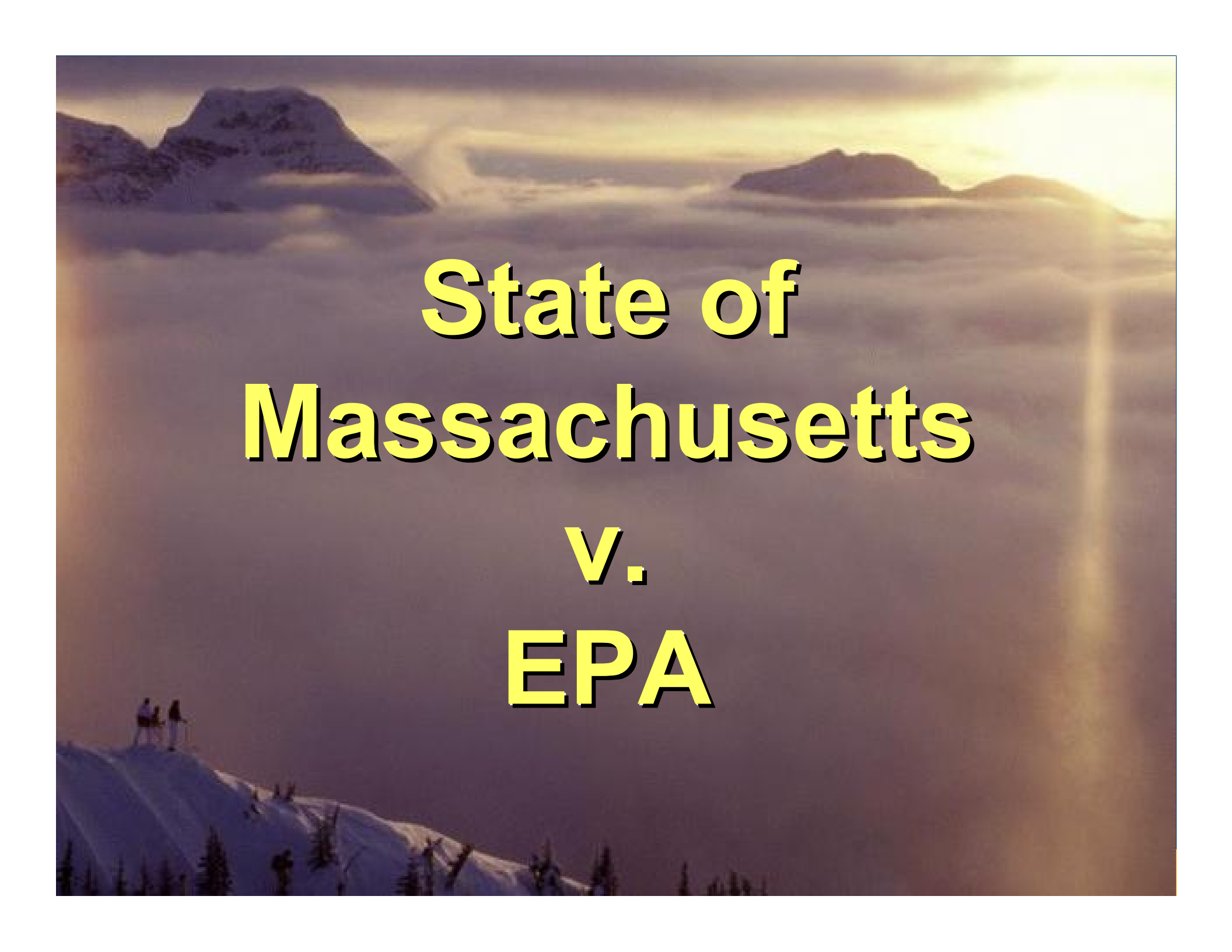




# **The Global Warming Solutions Act of 2006 (AB32)**

# AB 32

- Legislative Findings
- Mandates reduction to 1990 levels by 2020
- CARB to monitor and regulate
- Plan fully in effect by 2012



# **State of Massachusetts v. EPA**





# AG Comment Letters and Threats of Litigation



# San Bernardino County Experience

# AG Settlement

County to prepare GHG  
Reduction Plan including:

- Inventories – 1990, 2008, 2020
- Targets
- Mitigation

Diesel Engine Exhaust Control  
Measures



# AG Settlement

General Plan Update remains in effect





# **Environmental Groups Settlement**

**Demonstrated commitment to  
GHG Plan, Biological overlays,  
and disaster planning**



# ConocoPhillips Rodeo Refinery Expansion Project

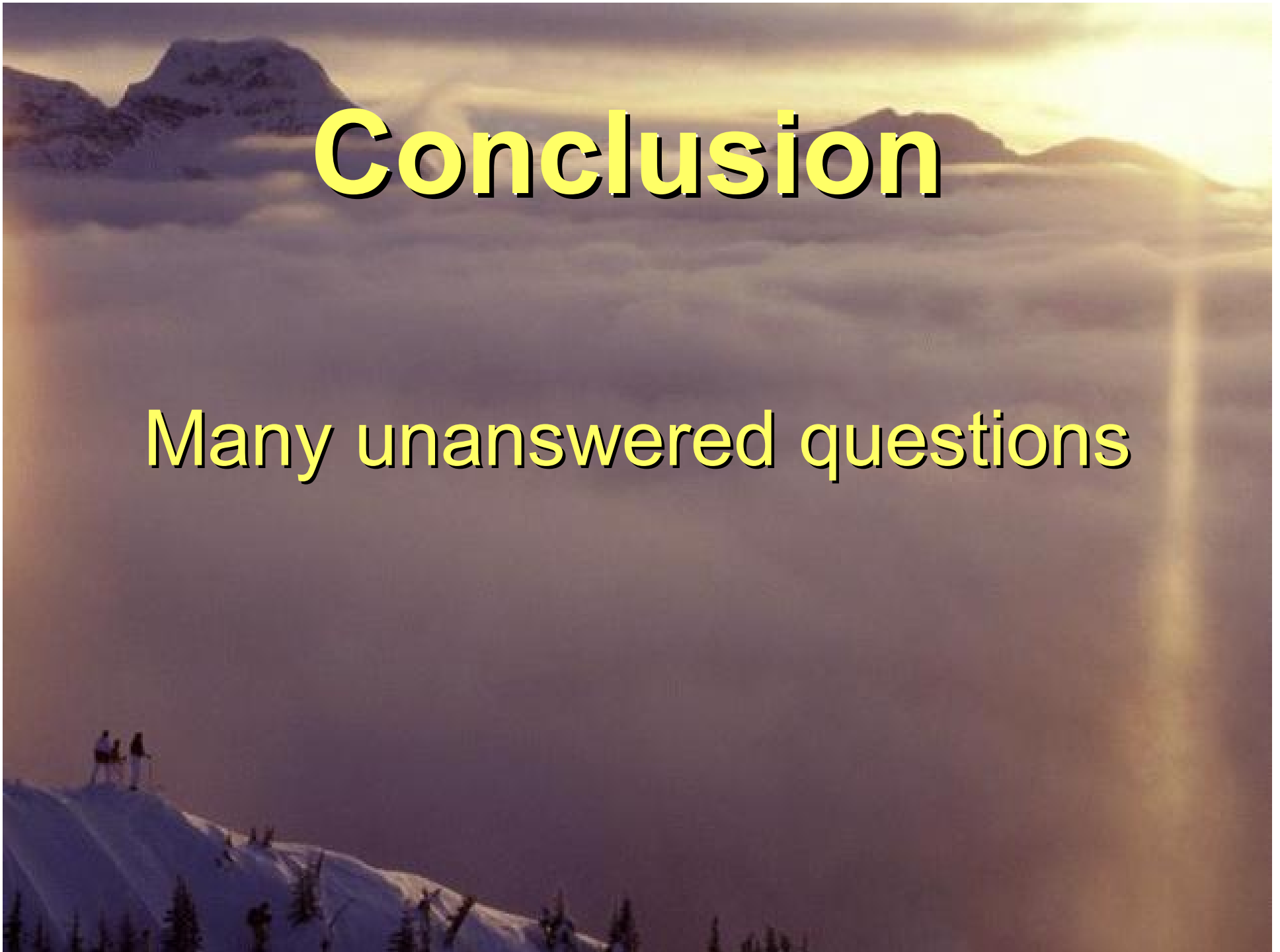


# Lessons

- Political reality
- Seek the best advice – AEP, CAPCOA, League of California Cities, CSAC, Marin County, State of Massachusetts, King County, Washington
- Do not ignore or casually dismiss this issue

# Conclusion

Many unanswered questions



# **Regional Comprehensive Plan Workshop Greenhouse Gas, *Air Quality*, and Economy**

Joseph Cassmassi  
SCAQMD

February 13, 2008



# 2007 Air Quality Management Plan

- “Blueprint for Clean Air”
- Partnership District, SCAG, ARB & EPA
- Adopted by District Board June 2007
- Difficulty in narrowing 74 ton emissions gap
- ARB Adopts AQMP Sept 2007
- SIP submitted to EPA Nov 2007
- Report available at [www.aqmd.gov](http://www.aqmd.gov)

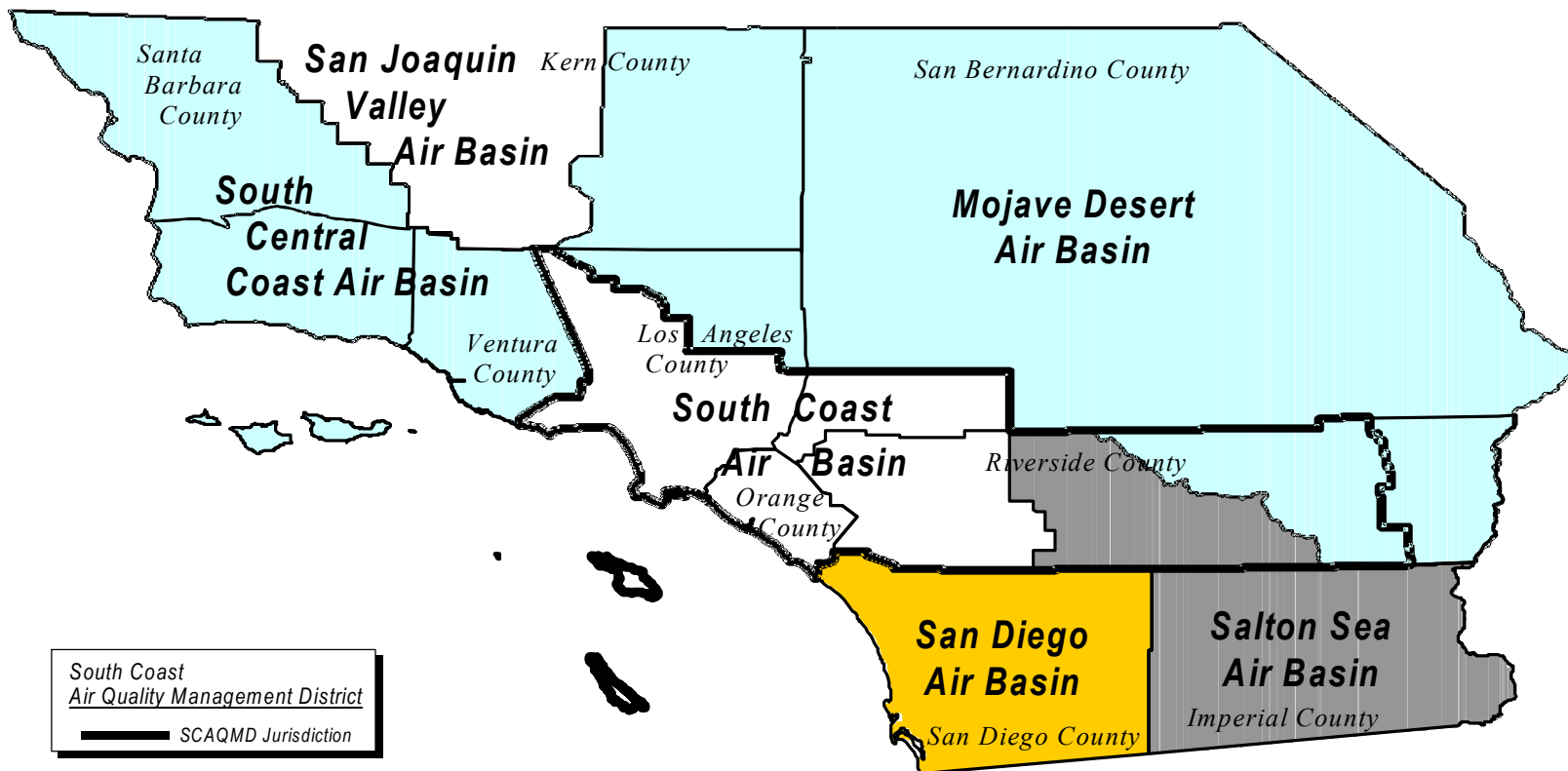
# Recent Air Quality

Statistic	2007	2006
Ozone Basin Days	78	86
Peak Ozone Concentration	0.137 PPM	0.175 PPM
Peak Basin Annual PM2.5	N/A*	20.6 µg/m3
98 <sup>th</sup> Percentile 24-Hr PM2.5	N/A*	53.7 µg/m3

\* Filters Currently Being Analyzed

The Regional Comprehensive Plan — Future of the Region Dialogue

# Boundaries of the South Coast Air Quality Management District and Federal Planning Areas



# Plan Summary

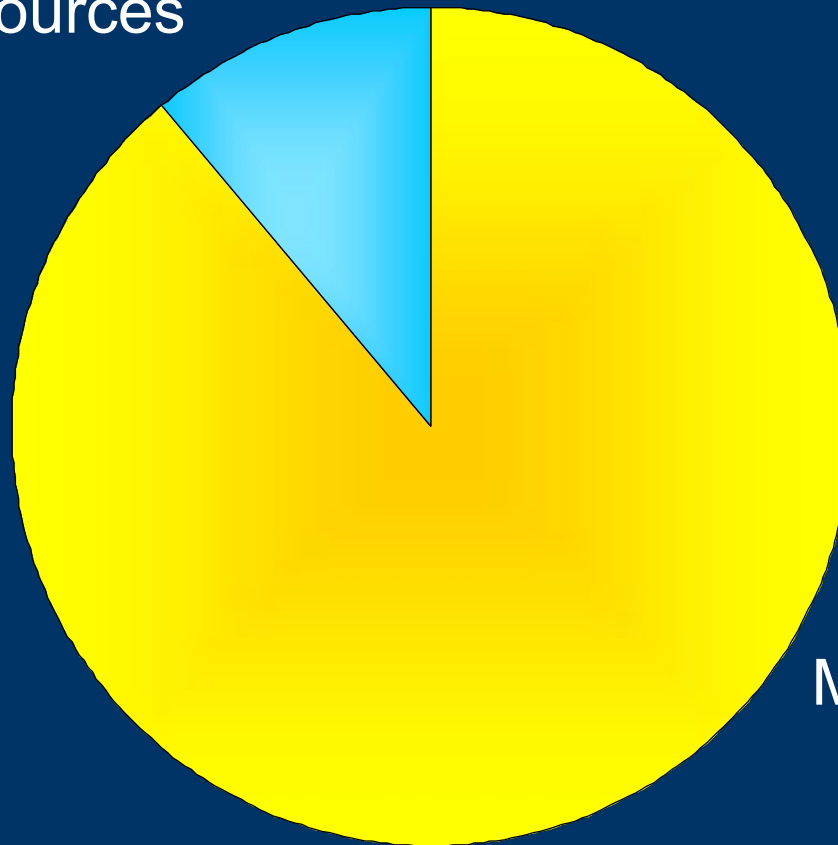
- Inclusive Control Strategy
  - 2015 PM2.5 Attainment
  - 2024 Ozone Attainment
- 31 - Stationary Source Measures
- 30 - Mobile Source Measures

## Emissions Reductions Needed

	2014	2023
NOx	203 (29%)	383 (76%)
VOC	59 (11%)	116 (22%)
SOx	24 (56%)	---
PM2.5	14 (14%)	---

# Contributions of Stationary & Mobile Sources to 2014 PM2.5 Attainment

Stationary Sources  
(11%)



Mobile Sources  
(89%)

TOTAL NOx = 650 tpd



# PM2.5 & Ozone Challenge

- Additional NOx reductions needed to provide compliance margin: 74 TPD in 2014
- Call for Air Quality Health Crisis (SCAG and AQMD)
- Consensus Agreement to Close the Gap
- New Measures allow for adoption of attaining plan
- Large “Black Box” (2023)

# Consensus Agreement to Close the Gap

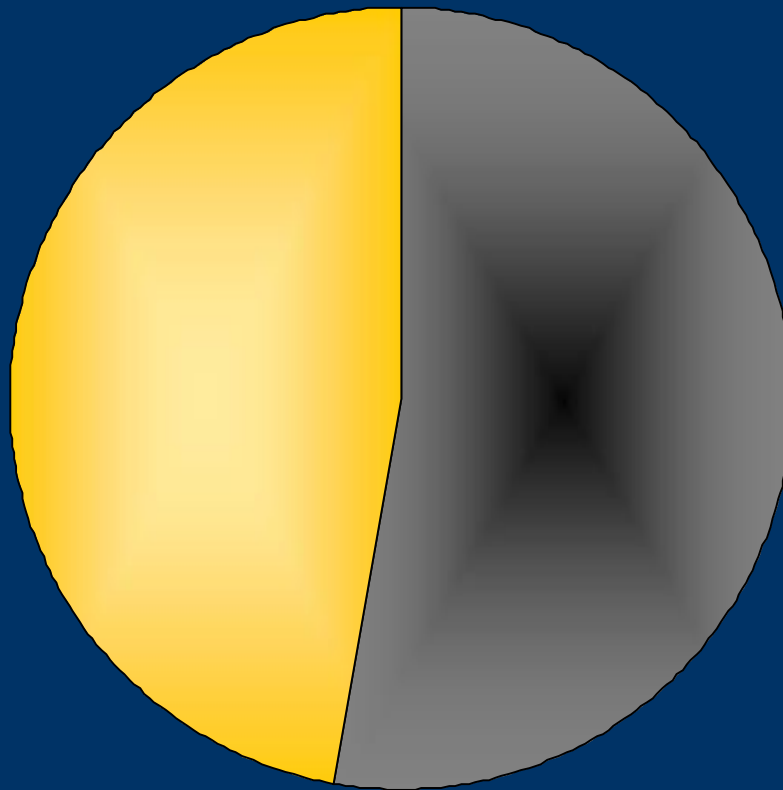
Action / Measure	Responsible Agency	NOx
Enhanced Heavy-Duty Truck Measure	ARB	27
Co-Benefits from GHG Reduction Measures	ARB	3
SOON Program Opt-in for Construction Equipment	District	12
Residential Wood Burning and Commercial Cooking Rule	District	11
Additional Incentive Funds for Port-Related and Other Sources	District/ARB*	3
Funding for Selective Catalytic Reduction (SCR) on Metrolink Trains	District/ARB*	3
DMV Registration Fees Used for SIP-Creditable Projects	Local Gov	4
Federal Funding to Mitigate Locomotive Emissions in 2014 Pending Implementation of Proposed New Locomotive Standards	Federal Gov	10
SIP Credit for Moyer Program Projects Already Funded	District	3
<b>Additional Reductions</b>		<b>76**</b>

\* Joint funding commitment with ARB backstop of emission reduction commitment

\*\* 2 tpd of NOx reductions will be used to offset other small precursor pollutant shortfalls to meet the PM2.5 emission reduction target

# 8-hour Ozone Attainment

Short-Term  
Measures  
235 tpd



Black Box  
54%, 264 tpd

Total NOx & VOC Reductions Needed = 499 t/d

# Work In Progress

- Future Strategies White Paper (SCAG/AQMD/ARB)
- SCAG Released its Draft 2008 RTP
- EPA/Districts Marine Vessel Rules
- Allocation of State Goods Movement Bond Funds
- District & CARB aggressively pursuing rule making

# Highlights of Control Measures

- New Development and Re-Development Projects
- Consumer Products Certification and Use Restrictions
- Facility Modernization
- Backstop Rule for Ports and Port-Related Facilities
- Concurrent Reductions with AB32 greenhouse gas strategies



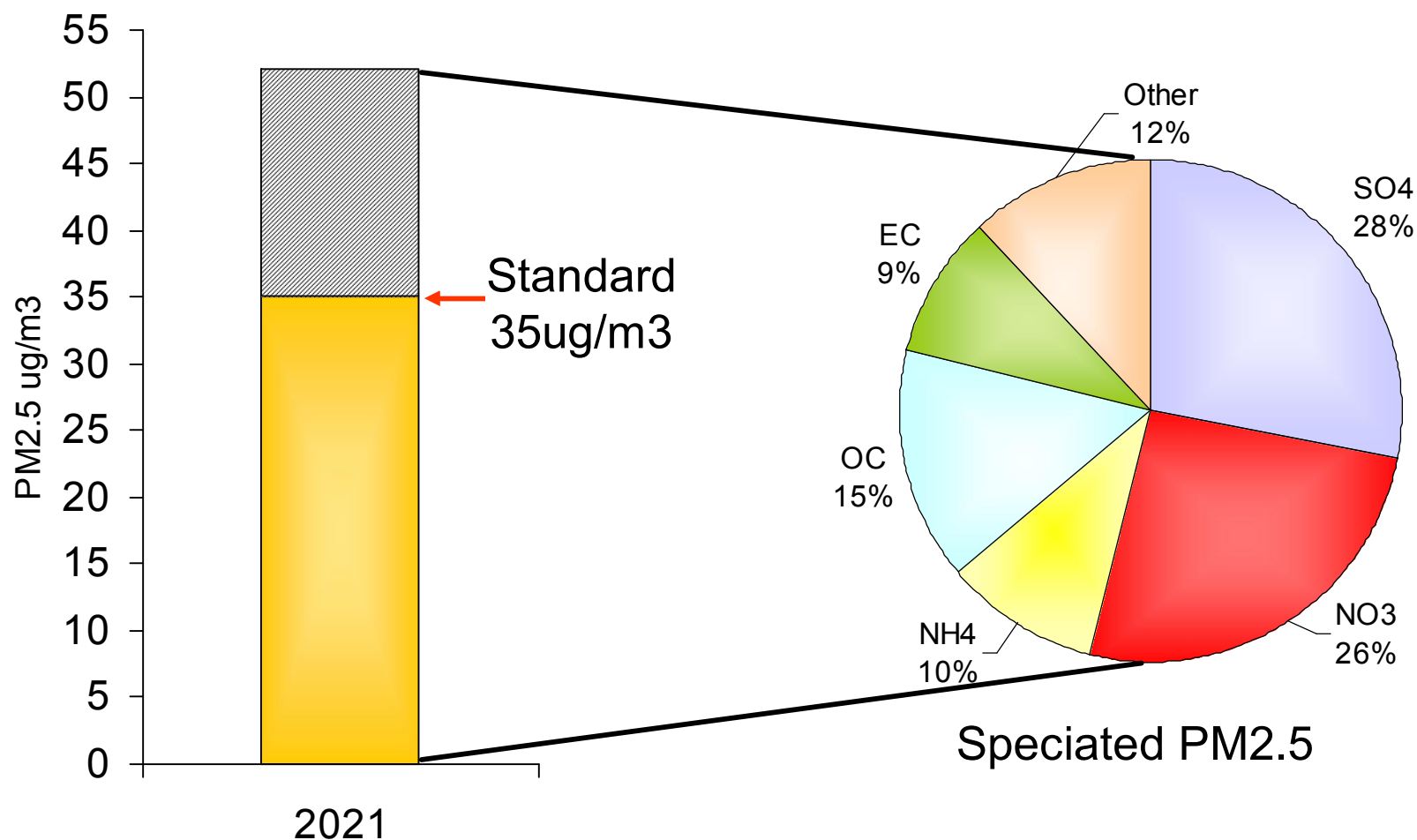
# CARB Highlights

- Clarifying conformity budgets with EPA
- Major effort in Global Warming/GHGs
- Preparing SIP submittals for neighboring air districts
- Ongoing Rule Development
  - Cleaner Fuel in Ocean Going Vessels Main Engines
  - Ocean-Going Vessels While At Berth At A California Port (Phase-2)
  - Small Off-Road and Large Spark-Ignition Engine Standards
  - In-Use On-Road Heavy-Duty Diesel Vehicles

# Challenges on the Horizon

- Revised 24-Hour PM<sub>2.5</sub> Standard
  - 65 µg/m<sup>3</sup> to 35 µg/m<sup>3</sup>
  - EPA designations finalized (12/2008?)
  - AQMP due three years following final designation
- Revisions to the 8-Hour Ozone Standard
  - EPA Considering lower standard < 0.08 ppm
  - Final designations finalized (12/2010)

# Predicted Maximum 24-hour PM 2.5 Concentration (2021)



# Summary

- Concerted effort underway to implement 2007 AQMP control strategy
- New air quality standards pose significant challenges to attainment by 2020 and beyond

# Economic Issues

Jacob Lieb

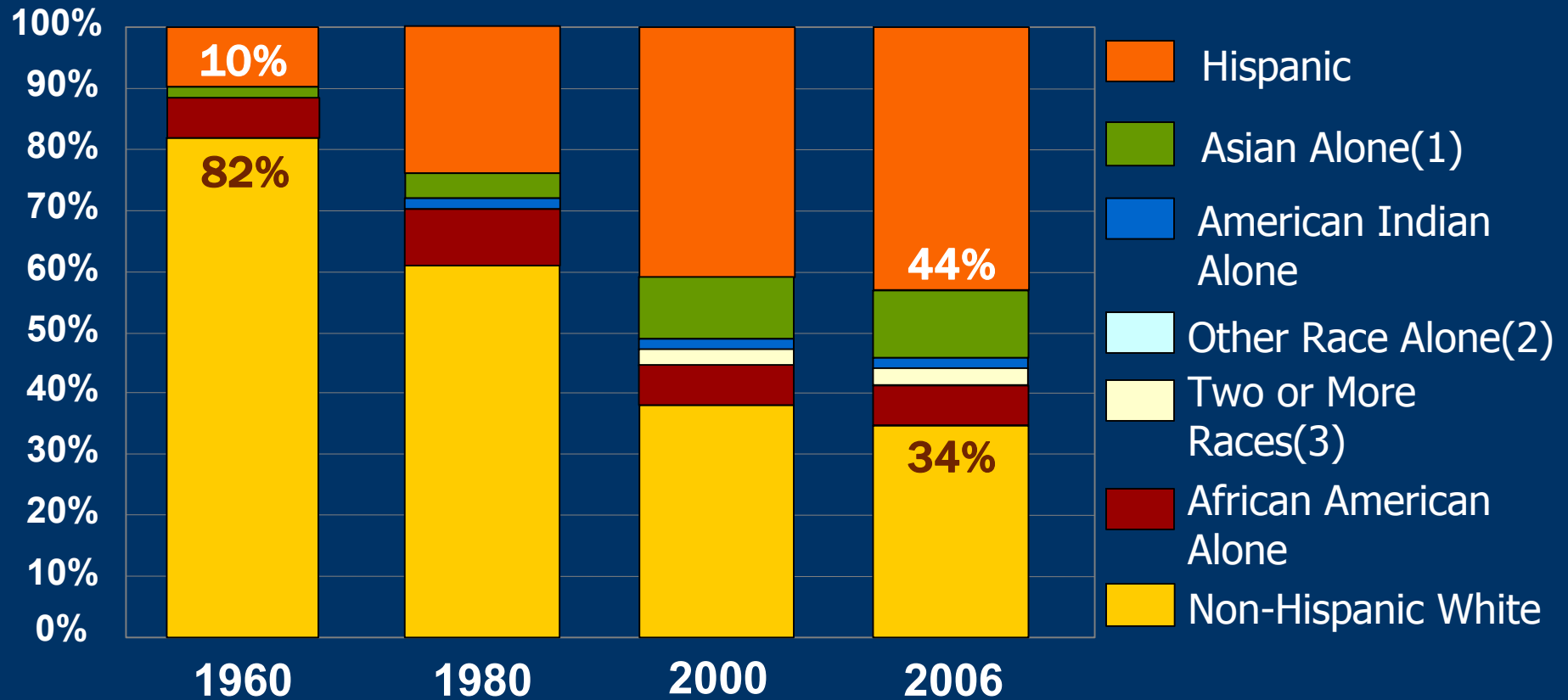
RCP Program Manager, SCAG



# Economy

- Trends Affecting Southern California's Economy
- The Consequences of Inaction
- Opportunities and Challenges

# Shift in Ethnic Composition



Notes: (1) "Asian Alone" also includes Pacific Islander. (2) "Other Race Alone" is too small to be shown (at 0.2 percent in 2000).

(3) Only the 2000 Census included the "Two or More Races" category to which people may choose to belong.

Source: U.S. Census Bureau. Data in 1960 was estimated by James Allen and Eugene Turner. 2002. *Changing Faces, Changing Places*.

# Demographic Dynamics

## Fact

**Settled Immigrants  
(>10 years)  
growing faster than  
New Immigrants  
(<10 years)**

**Second generation  
immigrants represent  
nearly 50% of the  
total child population**

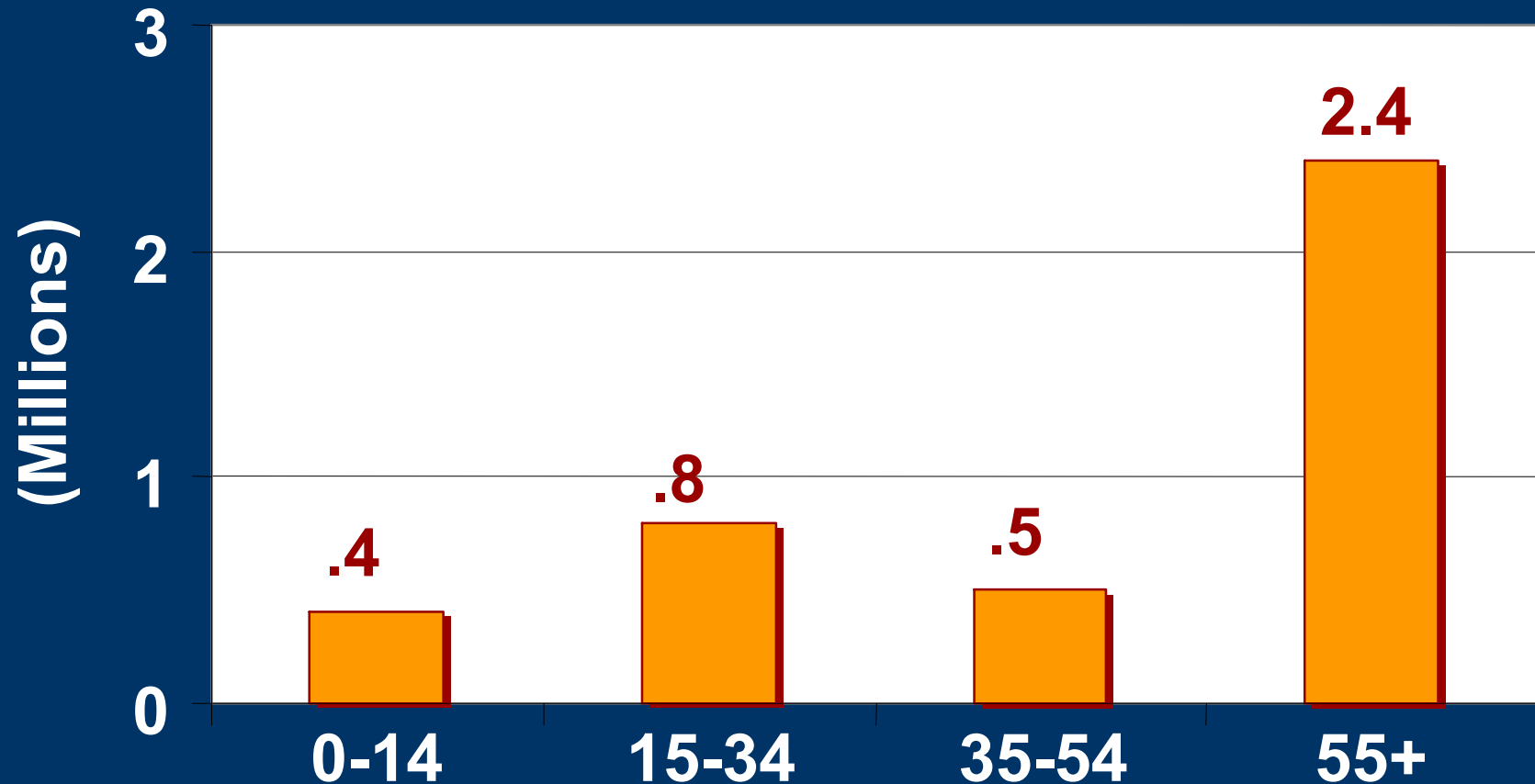
## Dynamic

**Socioeconomic  
well-being improves  
noticeably with the  
length of settlement**

**Their educational and  
occupational attainment  
will seriously impact the  
region's future  
performance**

# Change in Population by Age Group

2006 - 2025



# Shift in Age Composition



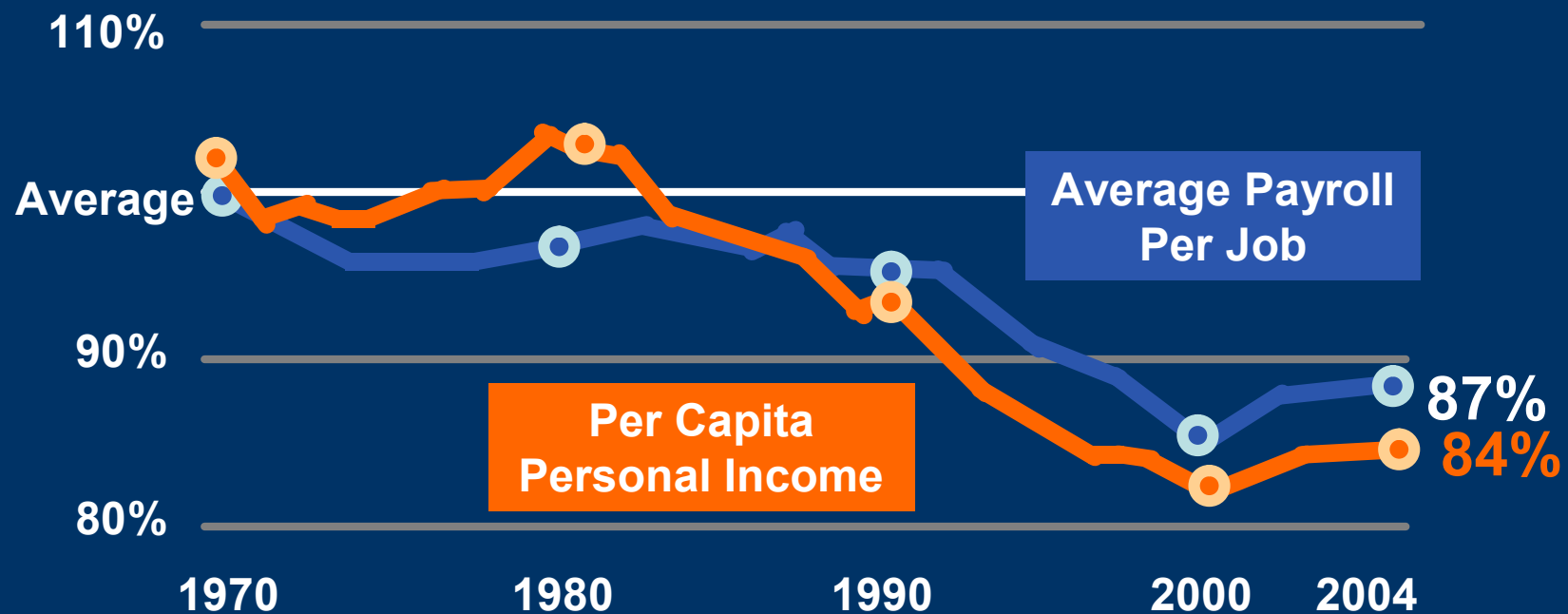
**Growth 15-34**



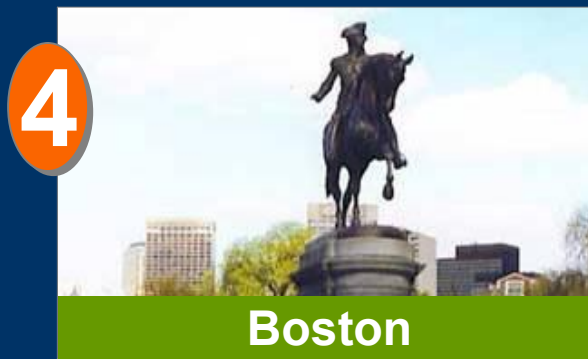
**Growth in 55+**



# SCAG Region vs. 17 Largest Metropolitan Regions



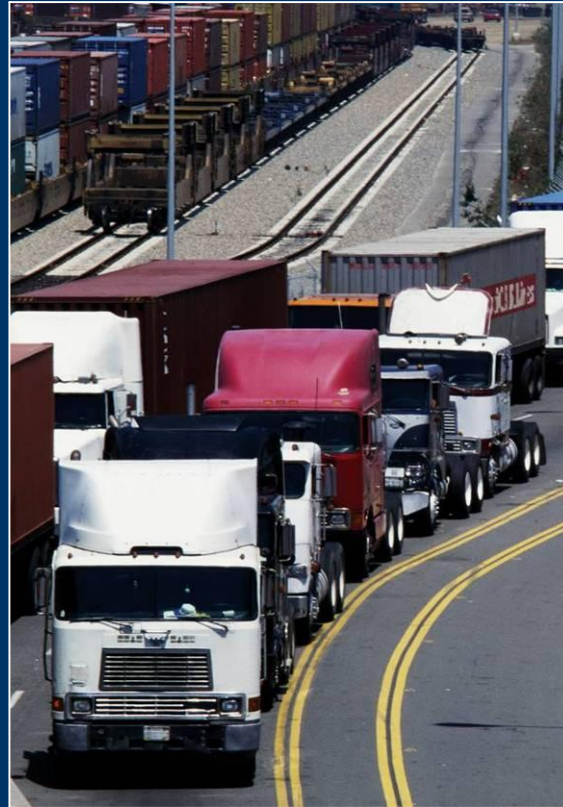
# Average Payroll Per Job



# Opportunities and Challenges



Relatively younger,  
larger workforce than  
other regions



Logistics strengths  
balanced with  
environmental realities



Ability to “get ahead  
of the curve” in  
“Green Economy”

# What is the RCP?

1. **Advisory Document**
2. **Sets direction for SCAG**
3. **Prioritizes future action**
4. **Identify actions that achieve multiple benefits**
5. **Position the region to compete in the future**

# Draft RCP Proposed Policies



# Compass Blueprint

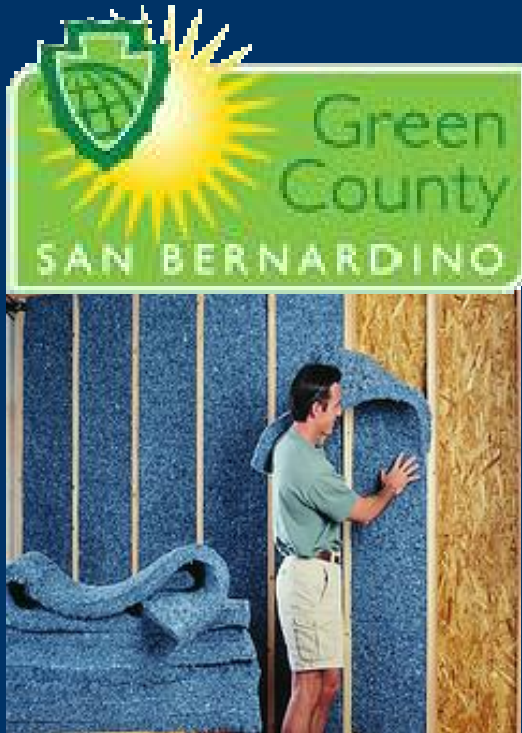
- Identify strategic growth opportunity areas
- Link land use and transportation decision making
- Develop collaborative implementation plans



**COMPASS  
BLUEPRINT**  
new directions for growth

Southern California Association of Governments

# Green Building



**WAV Project in Ventura**



**Caltrans District 7  
Headquarters**



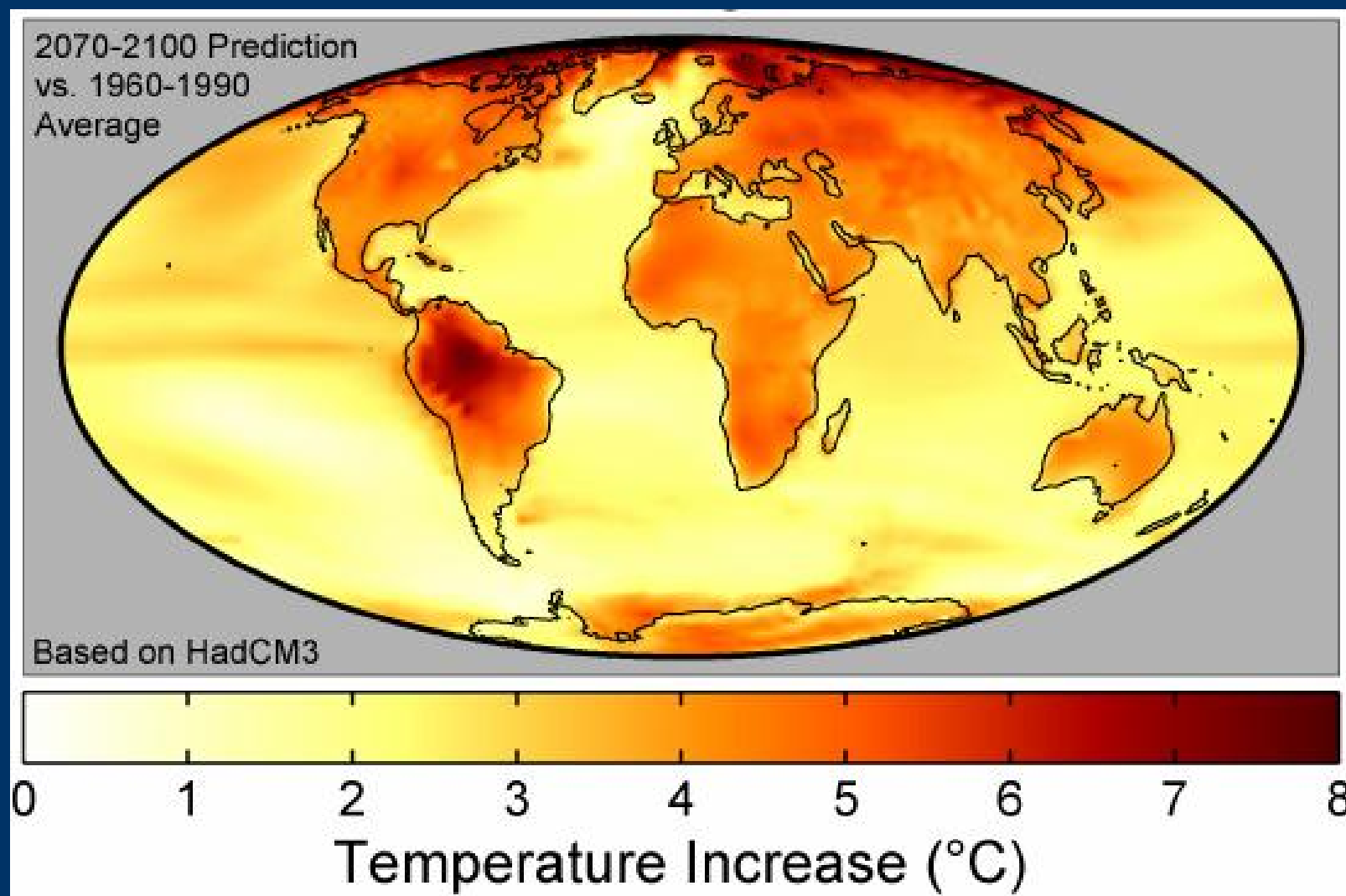
# Green Economy



# Air Quality Land Use Guidance



# AB 32 and Greenhouse Gas Guidance



# Next Generation Air Quality Strategies



# Discussion